

EL PASO FIELD SERVICES PRODUCTION PIT CLOSURE

Risk
TPH-BTEX

Jaquez Gas Com A #1A
Meter/Line ID – 89619

SITE DETAILS

Legals - Twn: 29N

Rng: 9W

Sec: 5

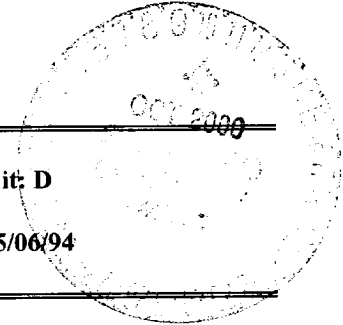
Unit: D

NMOCD Hazard Ranking: 20

Land Type: FEE

Operator: Amoco

Pit Closure Date: 05/06/94



RATIONALE FOR RISK-BASED CLOSURE

The pit noted above was assessed and ranked according to the criteria in the New Mexico Oil Conservation Division's (NMOCD) Unlined Surface Impoundment Closure Guidelines.

A Phase I excavation was conducted on May 6, 1994, to twelve feet below ground surface and a soil sample was collected for field headspace analysis and laboratory analysis for benzene, total BTEX, and TPH. Groundwater was not encountered in the excavation. Approximately 15 cubic yards of excavated material was removed for landfarming and sent to an OCD approved centralized site. The pit was backfilled and graded in a manner to direct surface runoff away from the pit area. Headspace analysis indicated an organic vapor content of 246 ppm; laboratory analysis indicated a benzene concentration of <0.62 mg/kg, a total BTEX concentration of 113 mg/kg, and a TPH concentration of 1400 mg/kg.

On June 12, 1995, a Phase II borehole was conducted to 19 feet below ground surface where bedrock was encountered with auger refusal. Groundwater was not encountered in the borehole. The borehole was grouted to the surface in a manner to direct surface runoff away from the pit area. A soil gas survey conducted showed the BTEX component to be below action levels directly down gradient of the pit.

El Paso Field Services Company (EPFS) requests closure of the above mentioned production pit location for the following reasons:

- The primary source, discharge to the pit, has been removed for over six years.
- The pit was backfilled and the former pit area graded to direct surface runoff away from the former pit.
- Groundwater was not encountered in the excavation or borehole.
- Bedrock was encountered at 19 feet below ground surface; consequently, impact to groundwater is unlikely.
- Residual hydrocarbons in the soil will degrade naturally with minimal risk to the environment.
- There are no water supply wells or other sources of fresh water extraction within 1000 feet of the site.
- The pit was excavated to the practical extent of the equipment, according to EPNG's pit closure plan.

ATTACHMENT

Field Pit Assessment Form

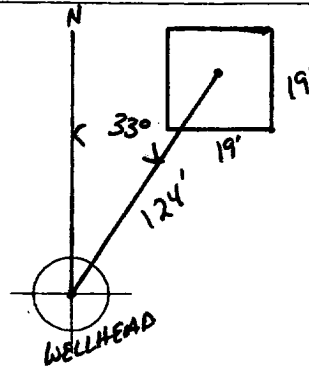
Phase II Geologic Log

FIELD PIT SITE ASSESSMENT FORM

GENERAL	<p>Meter: <u>89619</u> Location: <u>JAGUEZ GAS COM A #1A</u></p> <p>Operator #: <u>0203</u> Operator Name: <u>AMOCO</u> P/L District: <u>BLOOMFIELD</u></p> <p>Coordinates: Letter: <u>D</u> Section <u>5</u> Township: <u>29</u> Range: <u>9</u></p> <p>Or Latitude _____ Longitude _____</p> <p>Pit Type: Dehydrator <input checked="" type="checkbox"/> Location Drip: _____ Line Drip: _____ Other: _____</p> <p>Site Visit Date: <u>4.11.94</u> Run: <u>10</u> <u>42</u></p>
SITE ASSESSMENT	<p>NMOCD Zone: Inside _____ Land Type: BLM <input type="checkbox"/> (From NMOCD Vulnerable _____ State <input type="checkbox"/> Maps) Zone <input checked="" type="checkbox"/> Fee <input checked="" type="checkbox"/> Outside <input type="checkbox"/> Indian _____</p> <p>Depth to Groundwater</p> <p>Less Than 50 Feet (20 points) <input checked="" type="checkbox"/> 50 Ft to 99 Ft (10 points) <input type="checkbox"/> Greater Than 100 Ft (0 points) <input type="checkbox"/></p> <p>Wellhead Protection Area :</p> <p>Is it less than 1000 ft from wells, springs, or other sources of fresh water extraction? , or ; Is it less than 200 ft from a private domestic water source? <input type="checkbox"/> YES (20 points) <input checked="" type="checkbox"/> NO (0 points)</p> <p>Horizontal Distance to Surface Water Body</p> <p>Less Than 200 Ft (20 points) <input type="checkbox"/> 200 Ft to 1000 Ft (10 points) <input type="checkbox"/> Greater Than 1000 Ft (0 points) <input checked="" type="checkbox"/></p> <p>Name of Surface Water Body _____</p> <p>(Surface Water Body : Perennial Rivers, Major Wash, Streams, Creeks, Irrigation Canals, Ditches, Lakes, Ponds)</p> <p>TOTAL HAZARD RANKING SCORE: <u>20</u> POINTS</p>
REMARKS	<p>Remarks : <u>TWO PITS ON LOCATION. WILL CLOSE ONLY ONE. PIT IS DRY. LOCATION IS AT A SLIGHTLY HIGHER ELEVATION THAN THE SAN JUAN RIVER.</u></p>

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 33° Footage to Wellhead 124'
 b) Degrees from North _____ Footage to Dogleg _____
 Dogleg Name _____
 c) Length : 19' Width : 19' Depth : 3'



REMARKS :

STARTED TAKING PICTURES AT 12:03 P.M.
END DUMP

Completed By:

Pat Thompson
 Signature

4.11.94
 Date

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	<p>Meter: <u>89619</u> Location: <u>Jaquez GAS Com A #1A</u></p> <p>Coordinates: Letter: <u>D</u> Section <u>5</u> Township: <u>29</u> Range: <u>9</u></p> <p style="padding-left: 40px;">Or Latitude _____ Longitude _____</p> <p>Date Started : <u>5-6-94</u> Area: <u>10</u> Run: <u>42</u></p>
FIELD OBSERVATIONS	<p>Sample Number(s): ⁹⁴⁵⁰⁸⁸<u>K.P. #28</u></p> <p>Sample Depth: <u>12</u> Feet</p> <p>Final PID Reading <u>246</u> PID Reading Depth <u>12'</u> Feet</p> <p style="text-align: center;">Yes No</p> <p>Groundwater Encountered <input type="checkbox"/> (1) <input checked="" type="checkbox"/> (2) Approximate Depth _____ Feet</p>
CLOSURE	<p>Remediation Method :</p> <p>Excavation <input checked="" type="checkbox"/> (1) Approx. Cubic Yards <u>15</u></p> <p>Onsite Bioremediation <input type="checkbox"/> (2)</p> <p>Backfill Pit Without Excavation <input type="checkbox"/> (3)</p> <p>Soil Disposition:</p> <p>Envirotech <input type="checkbox"/> (1) <input checked="" type="checkbox"/> (3) Tierra</p> <p>Other Facility <input type="checkbox"/> (2) Name: _____</p> <p>Pit Closure Date: <u>5-6-94</u> Pit Closed By: <u>B.E.I</u></p>
REMARKS	<p>Remarks : <u>Some Line markers dug down 8' soil BLACK</u></p> <p><u>Kee P on digging. 12', HAD TO FINISH UP FROM 5-5-94</u></p> <p><u>floor still looking little grey + BLACK.</u></p>
	<p>Signature of Specialist: <u>Kelly Padilla</u></p>



FIELD SERVICES LABORATORY
ANALYTICAL REPORT
PIT CLOSURE PROJECT - Soil

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	KP28	945088
MTR CODE SITE NAME:	89619	N/A
SAMPLE DATE TIME (Hrs):	5/6/94	1200
SAMPLED BY:	N/A	
DATE OF TPH EXT. ANAL.:	5/10/94	5/10/94
DATE OF BTEX EXT. ANAL.:	5/13/94	5/15/94
TYPE DESCRIPTION:	VC	Grey Brown Sand/Clay

REMARKS:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	40.62	MG/KG				
TOLUENE	15	MG/KG				
ETHYL BENZENE	8.8	MG/KG				
TOTAL XYLENES	89	MG/KG				
TOTAL BTEX	113	MG/KG				
TPH (418.1)	1400	MG/KG			2.22	28
HEADSPACE PID	246	PPM				
PERCENT SOLIDS	89.0	%				

— TPH is by EPA Method 418.1 and BTEX is by EPA Method 8020 —

The Surrogate Recovery was at 58 % for this sample All QA/QC was acceptable.

Narrative:

Surrogate recovery was outside ATIQC limits due to matrix interference. ATIQ results attached.

DF = Dilution Factor Used

Approved By:

John Larchi

Date:

6/15/94



Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS

TEST : BTEX (EPA 8020)
CLIENT : EL PASO NATURAL GAS CO. ATI I.D.: 405343
PROJECT # : 24324
PROJECT NAME : PIT CLOSURE

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
11	945087	NON-AQ	05/06/94	05/13/94	05/15/94	25
12	945088	NON-AQ	05/06/94	05/13/94	05/15/94	25
13	945089	NON-AQ	05/06/94	05/13/94	05/15/94	25
PARAMETER			UNITS	11	12	13
BENZENE			MG/KG	<0.62	<0.62	<0.62
TOLUENE			MG/KG	44	15	38
METHYLBENZENE			MG/KG	20	8.8	18
TOTAL XYLENES			MG/KG	190	89	240
SURROGATE:						
BROMOFLUOROBENZENE (%)				152*	58*	273*

*OUTSIDE ATI QUALITY CONTROL LIMITS DUE TO MATRIX INTERFERENCE